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# Imagery Analysis

Understanding the World from  
Above





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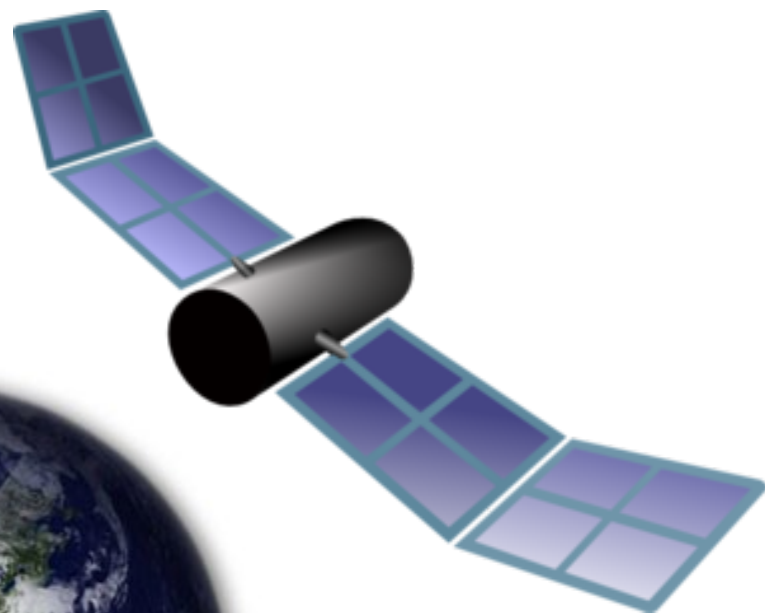
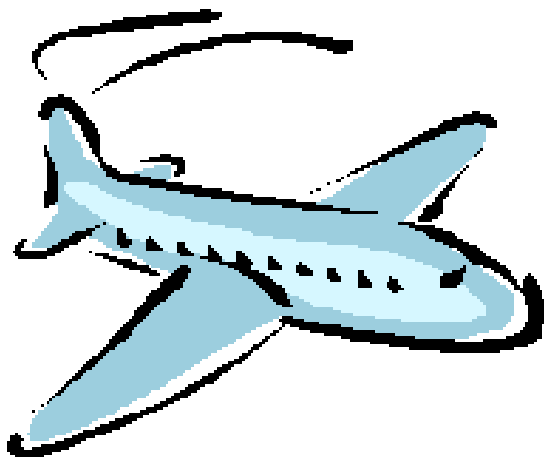
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# Imagery analysts from NGA look at the world from above.





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You see this.

We see this.



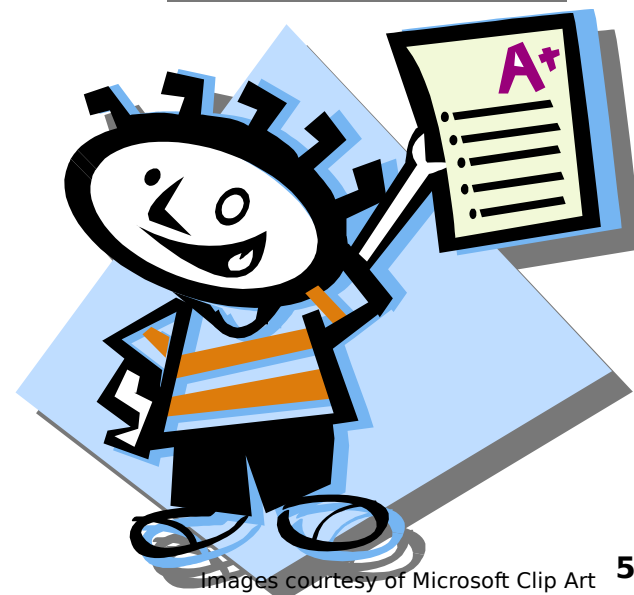
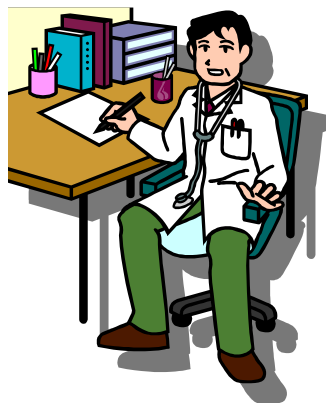
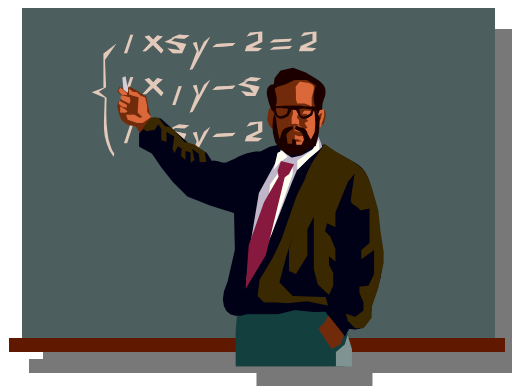
Petronas Tower, Kuala Lumpur, Malaysia





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Size

Texture and terrain

Shape

Location

Pattern

Shadow

Photographic

tone

Change





# Size

The size of an object can help us determine the difference between similar things





# Texture

and  
The texture of the terrain can help you  
Terrain  
determine the type of land you are



Rugged like  
Smooth like  
bushes and  
moorlands





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Shape  
Shape



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**It's the Pentagon!**





# Location

Surroundings  
and terrain  
all give clues  
to the  
purpose of a  
building or  
an activity.







# PaTtEr N

Various objects and places have distinct pattern.







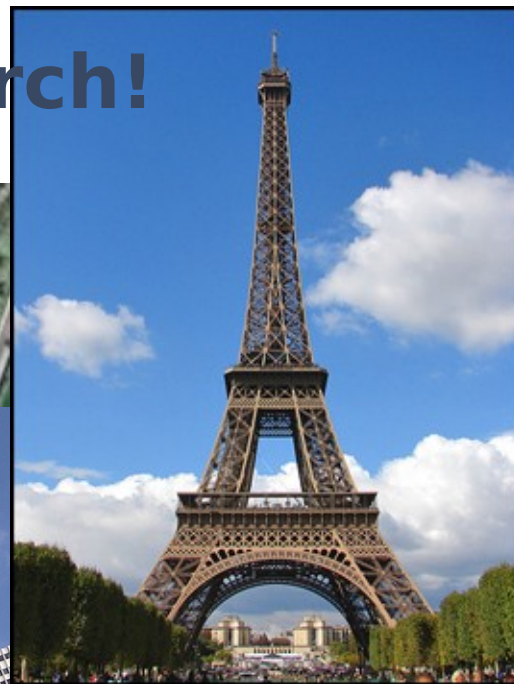
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# Shadow

Tall objects can be difficult to identify from above.

The St. Louis Arch!

# W







# Photographic

Ton

Light-toned materials appear as lighter shades of gray.



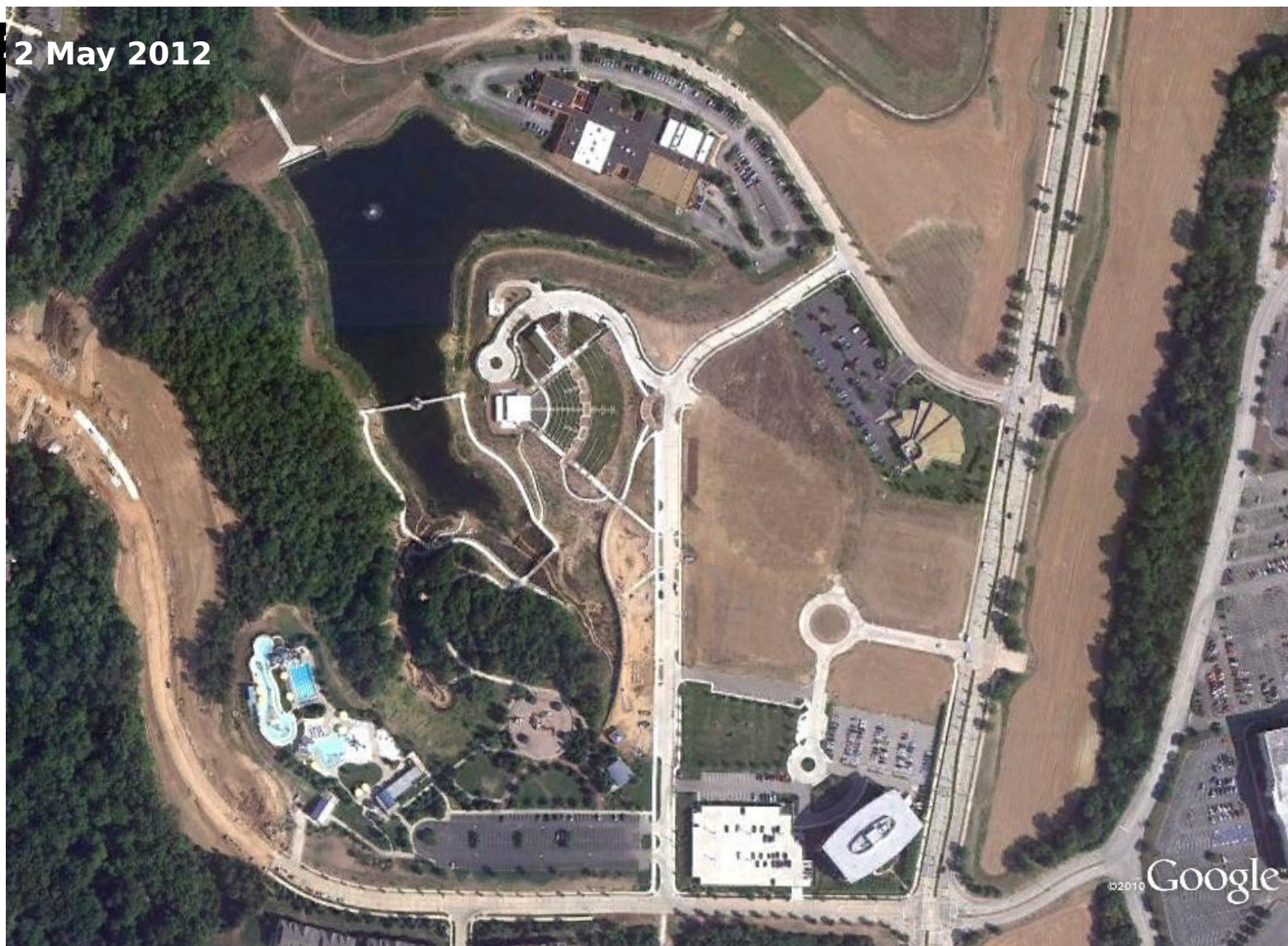




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C 2 May 2012

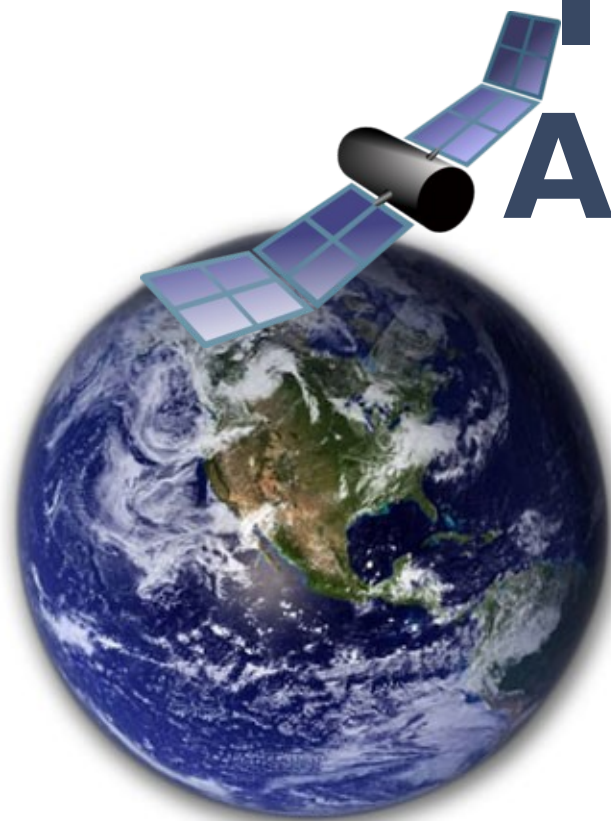






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# Let's Try Being Imagery Analysts!

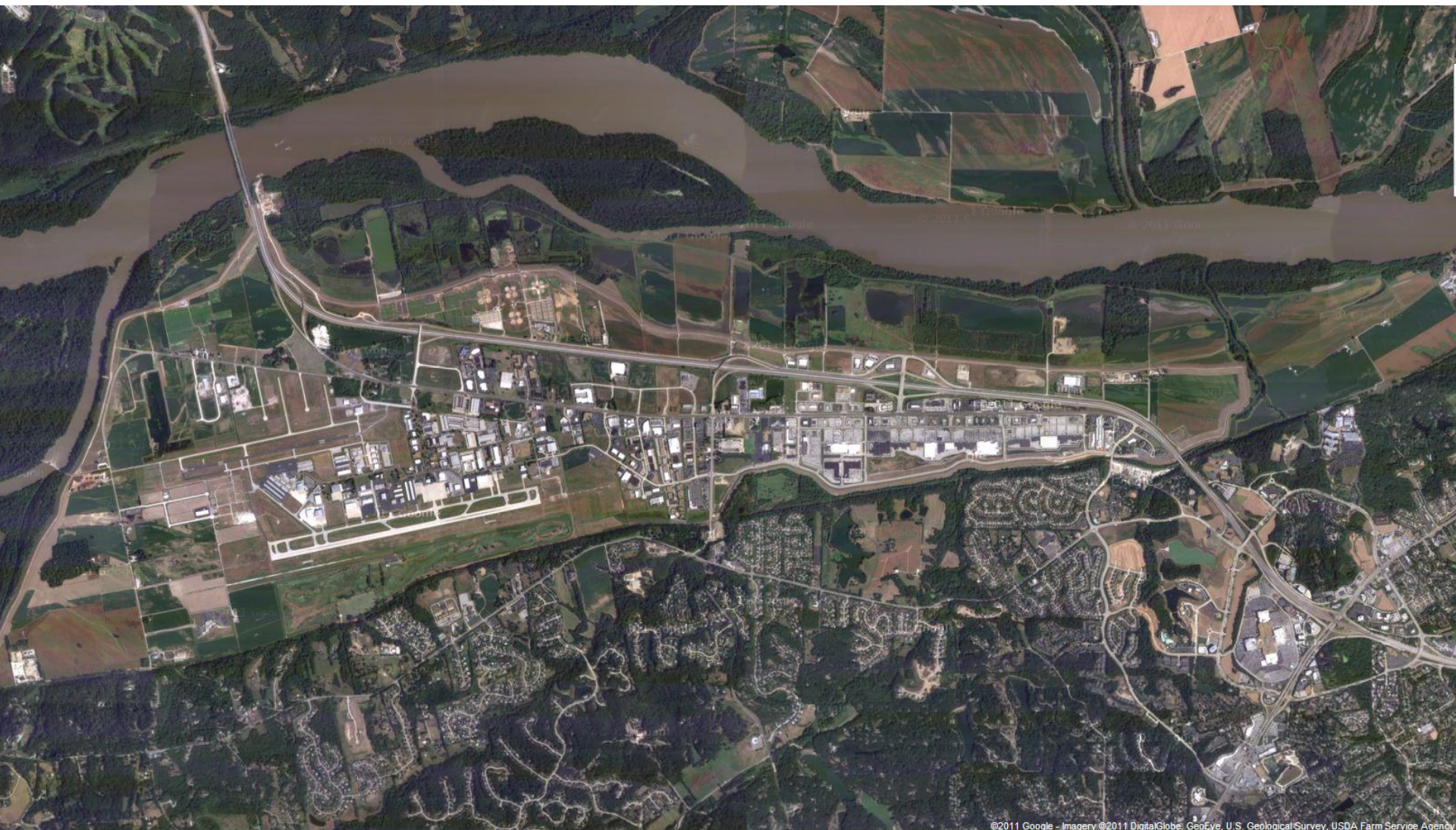






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# It's a neighborhood!







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# It's farm fields!







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# It's a shopping center!



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# It's an airport!



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# Let's see some 3-D Imagery (Anaglyphs)



← **Regular  
Photograph**



← **What's an Anaglyph?**

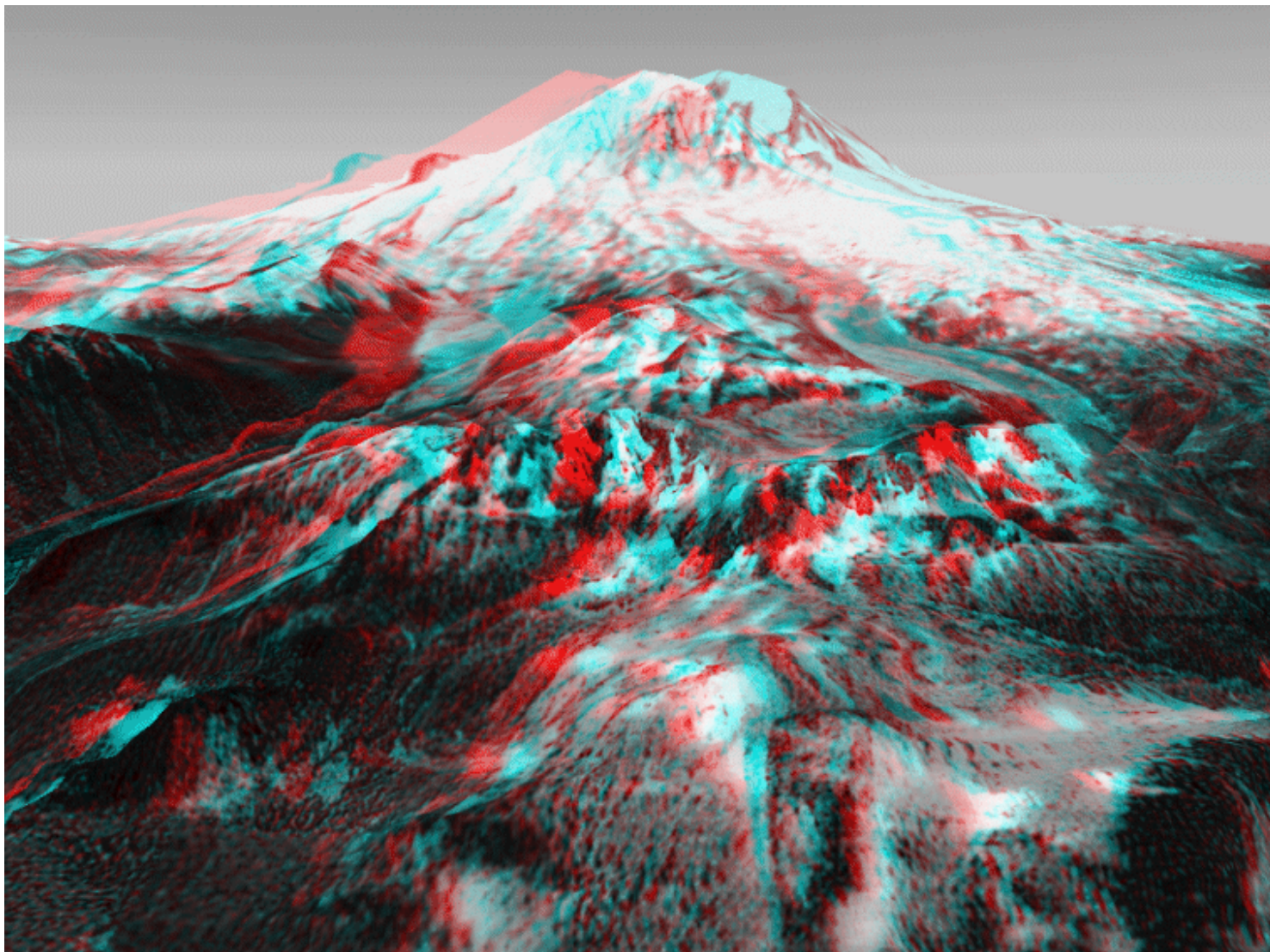
← **Anagly  
ph**





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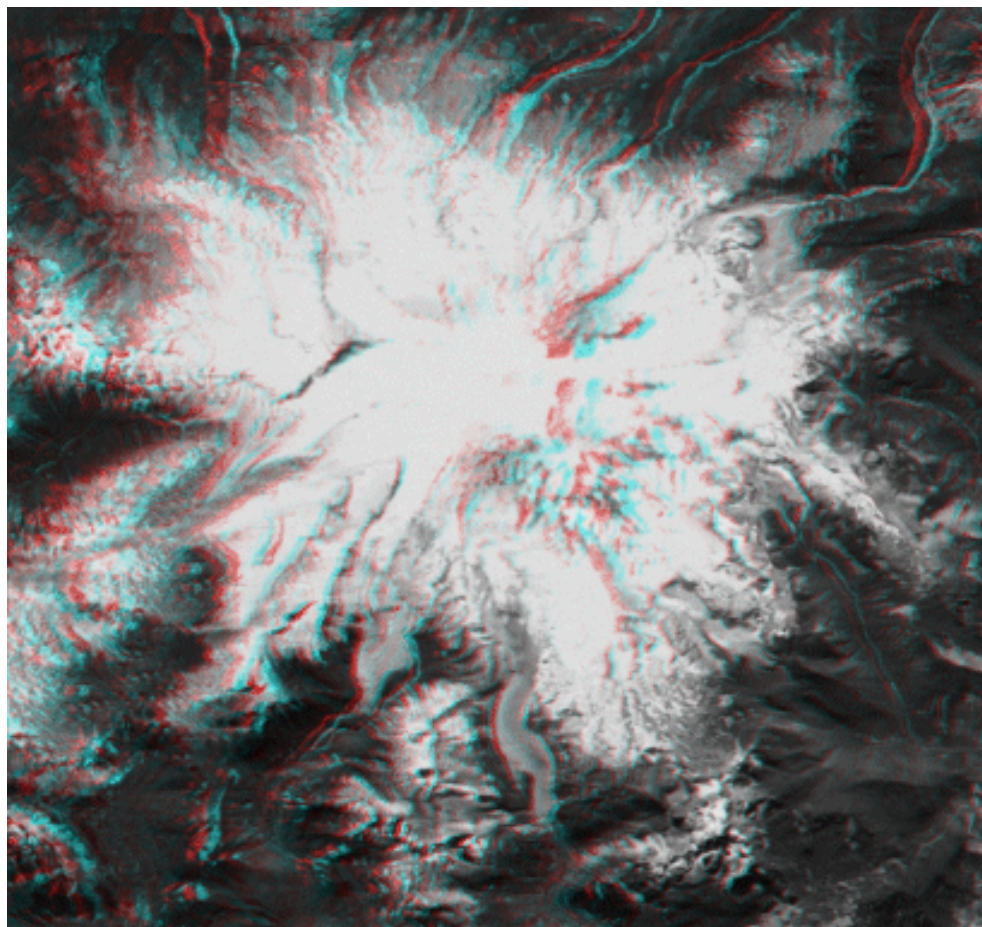
# Mountain: Side View





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# Mountain: Top View

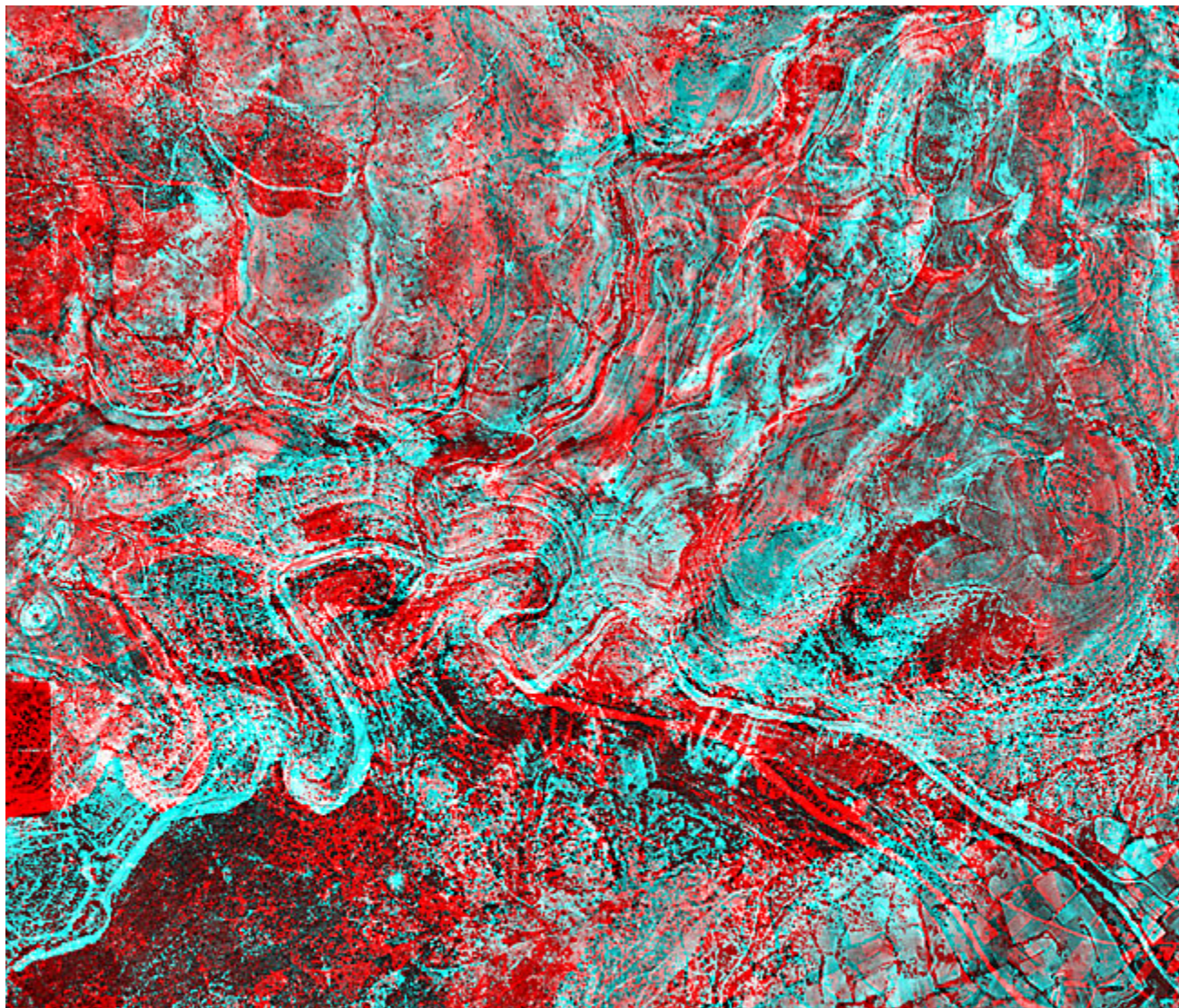






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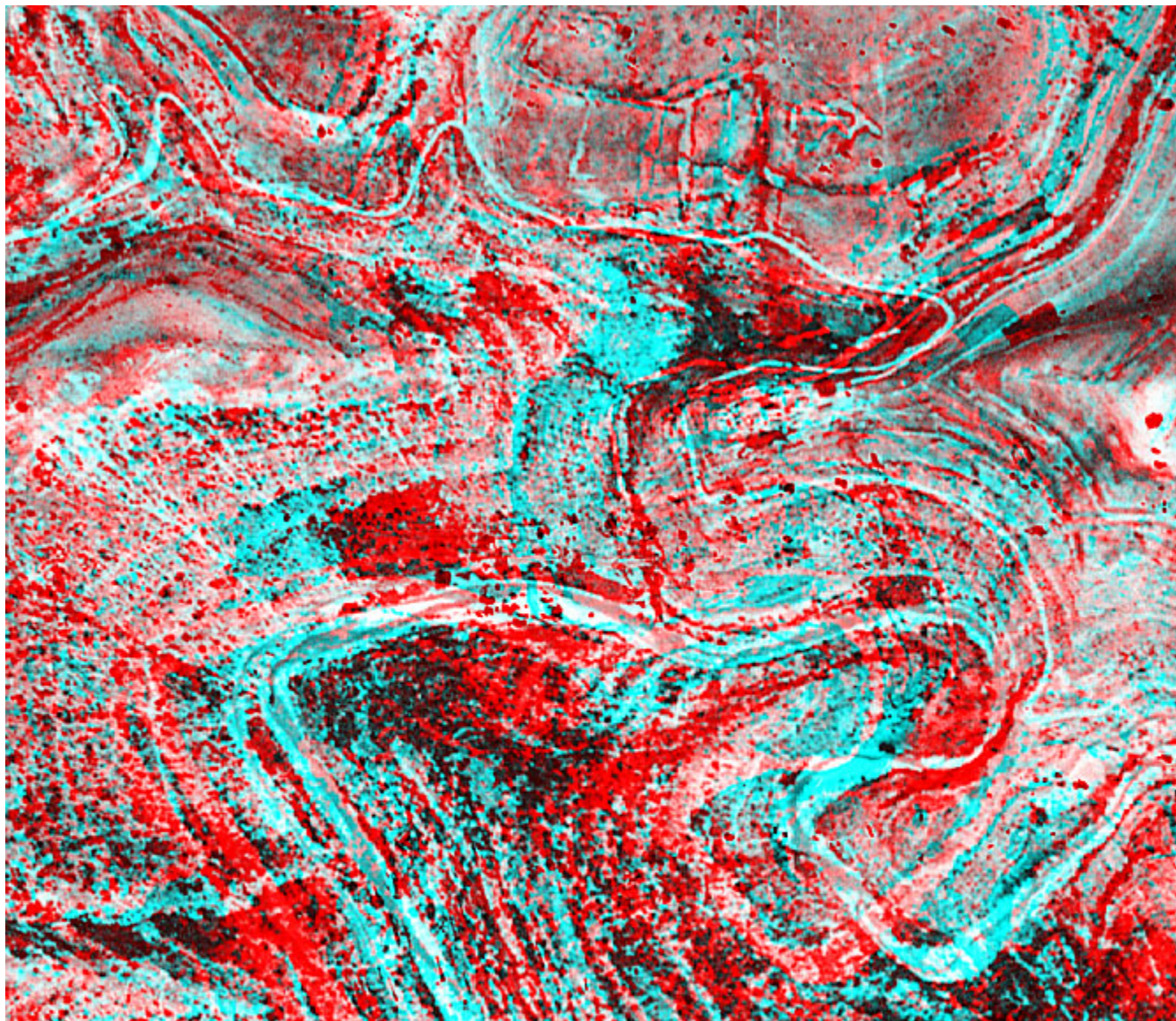
# Canyons



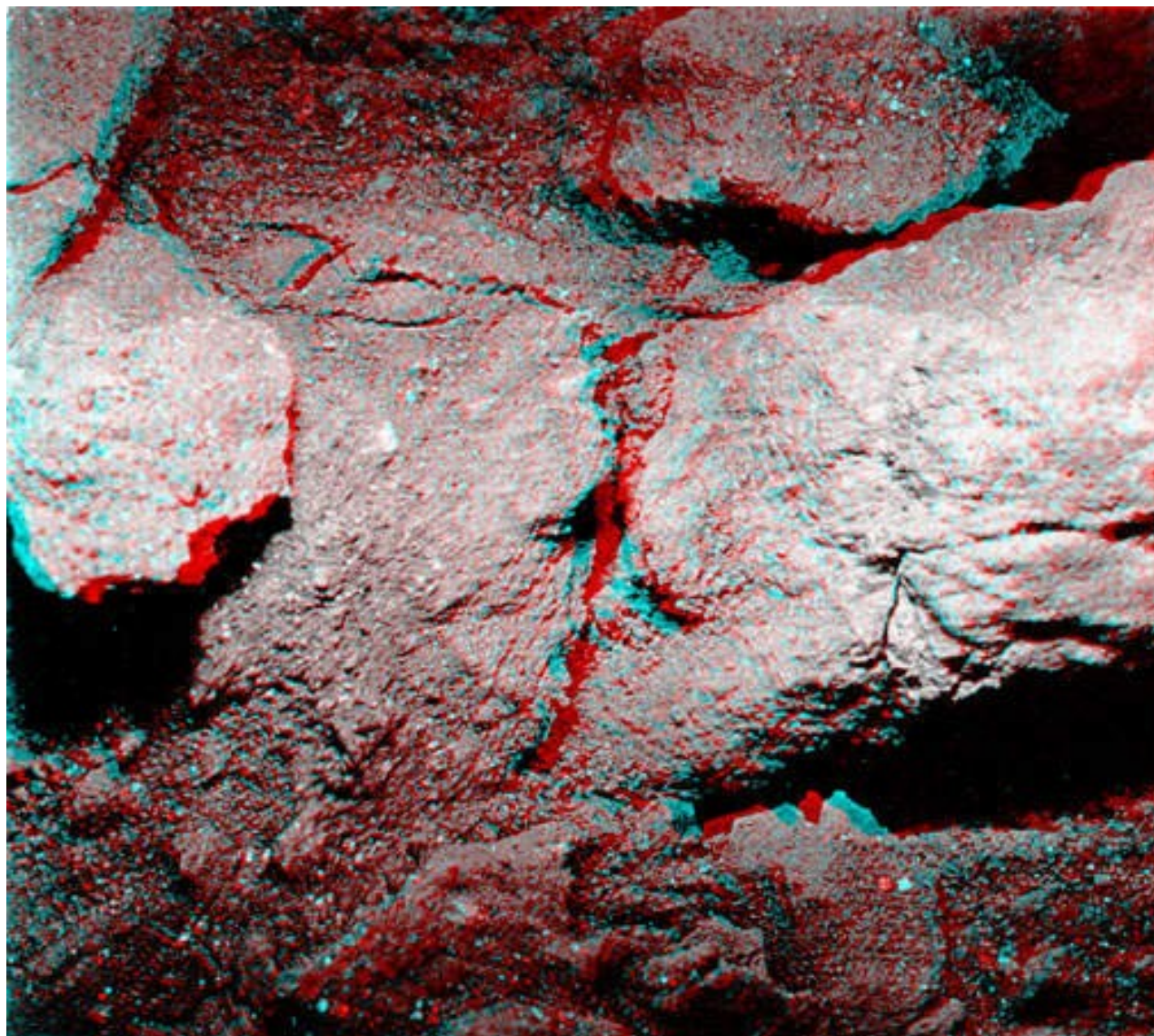




# Canyon Up Close







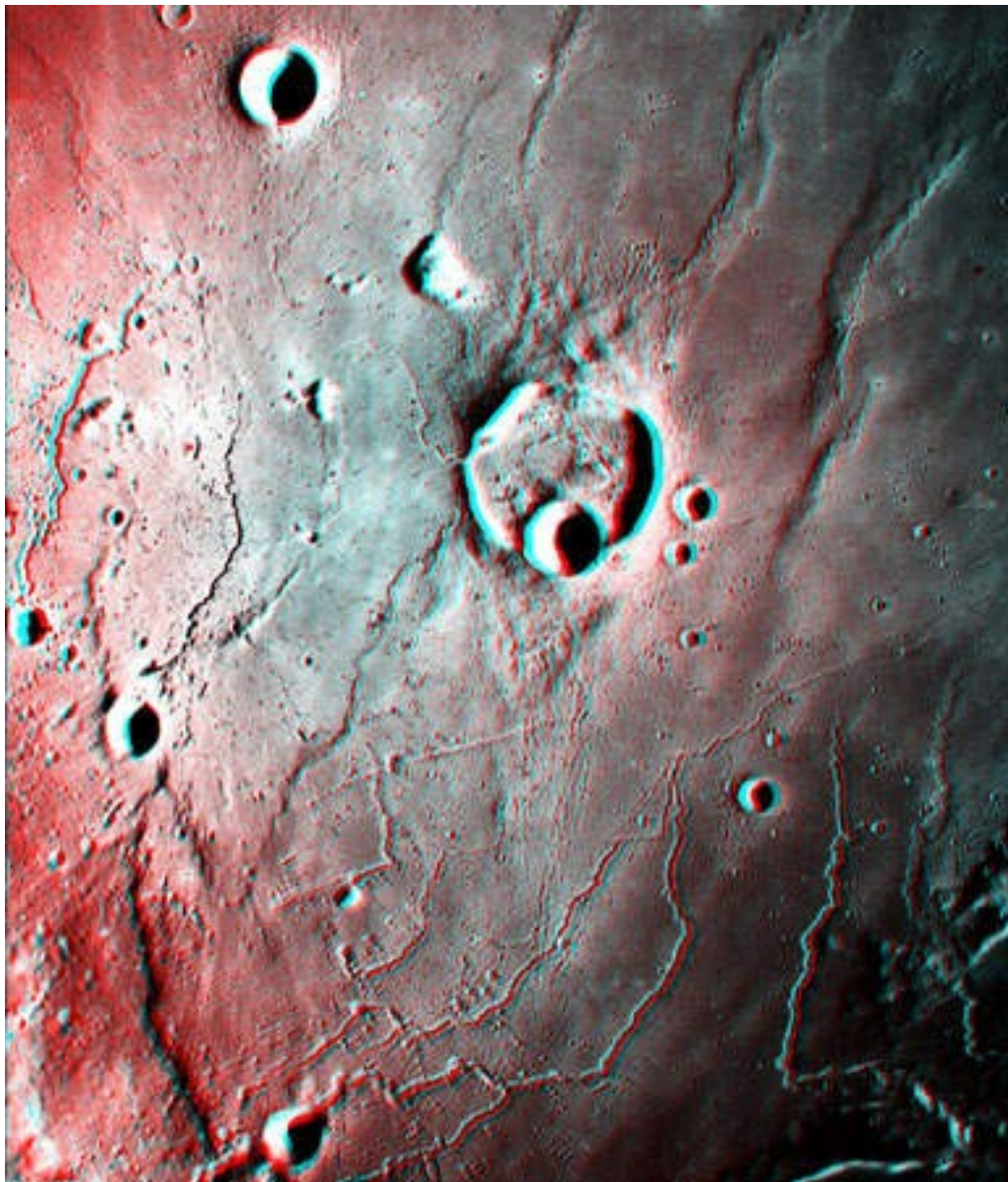
**What  
is this?**

**Where  
is this?**





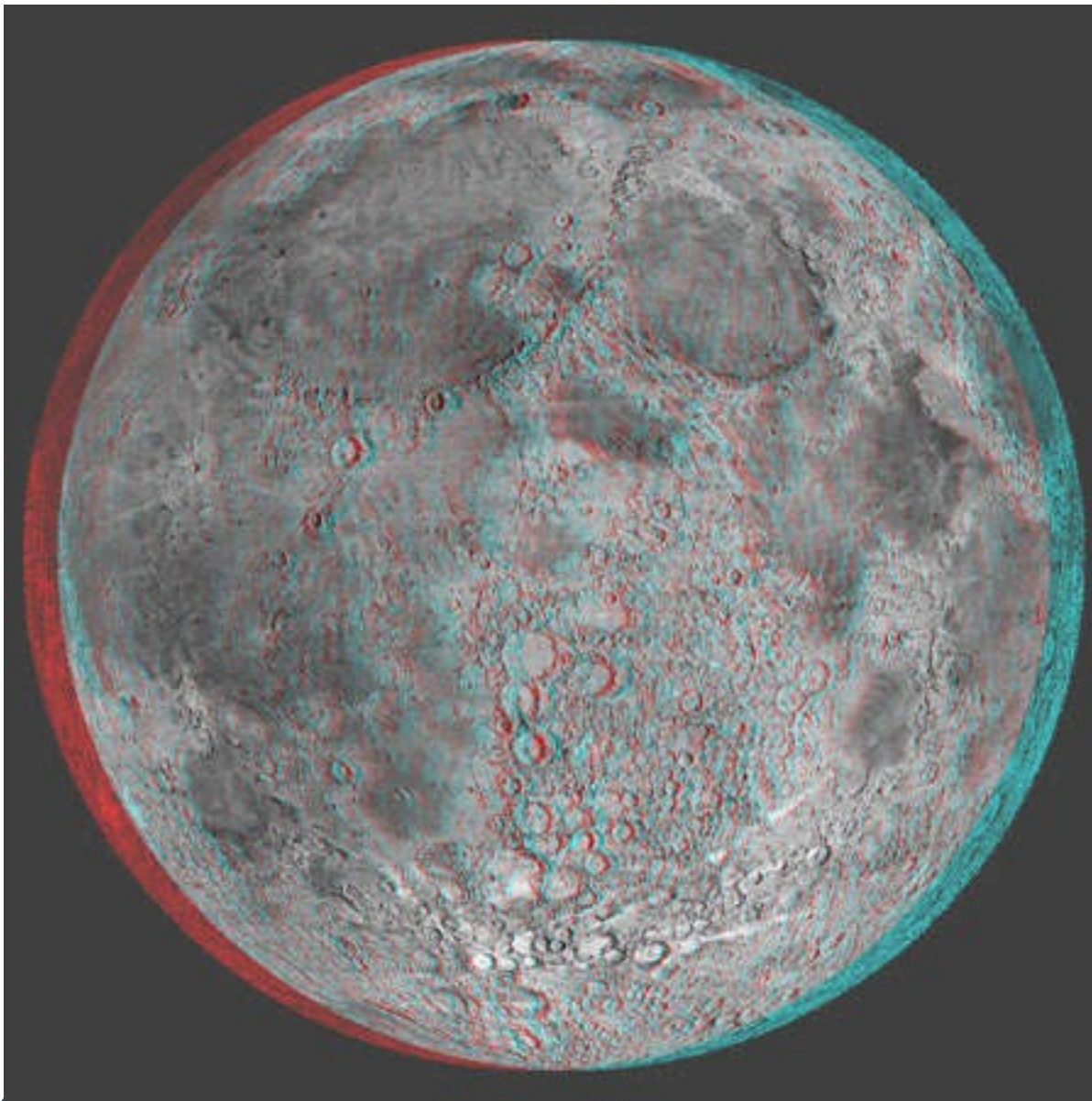
# Hint #1





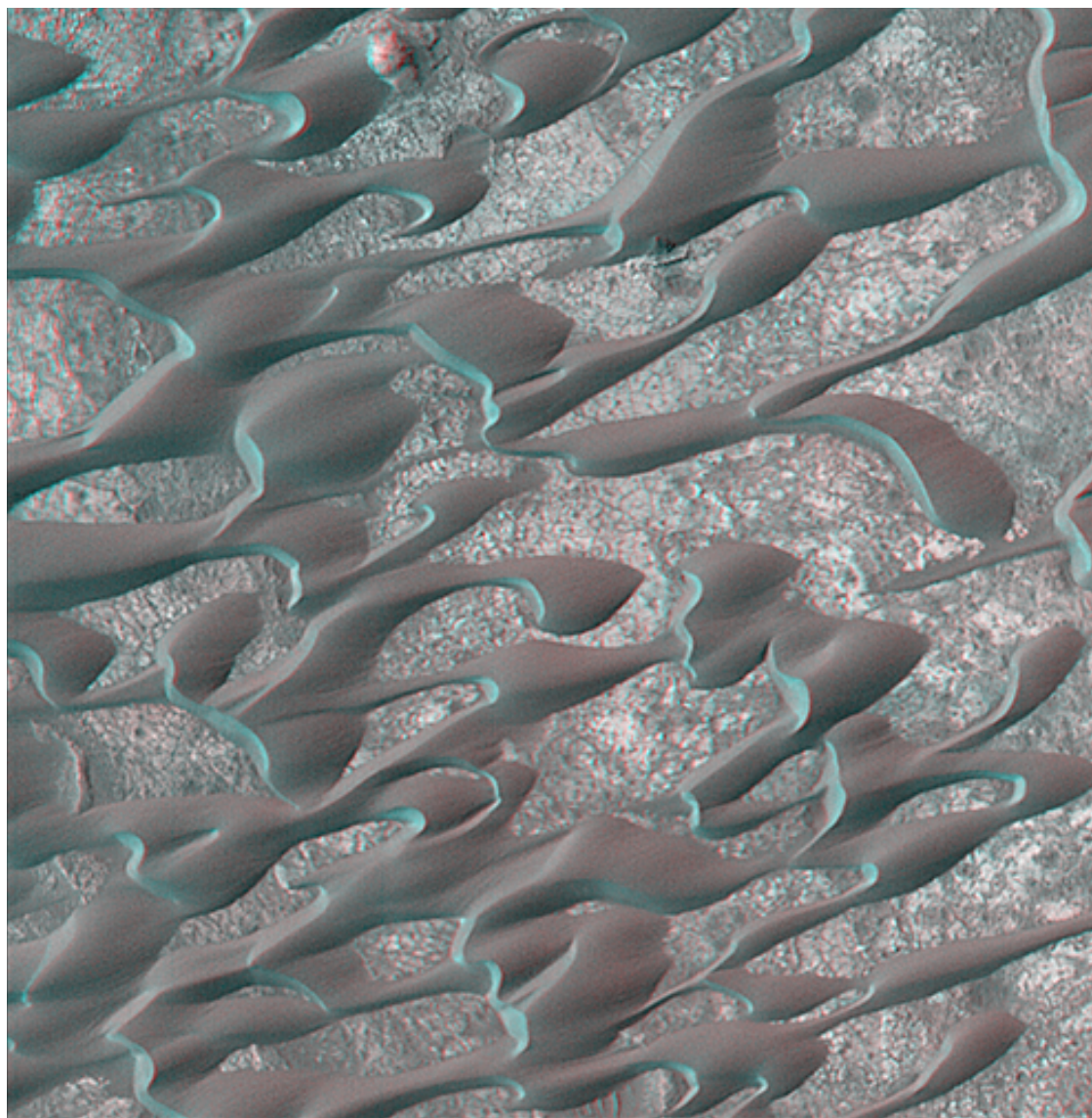


# Hint #2





# Sand dunes of Nili Patera on the planet Mars

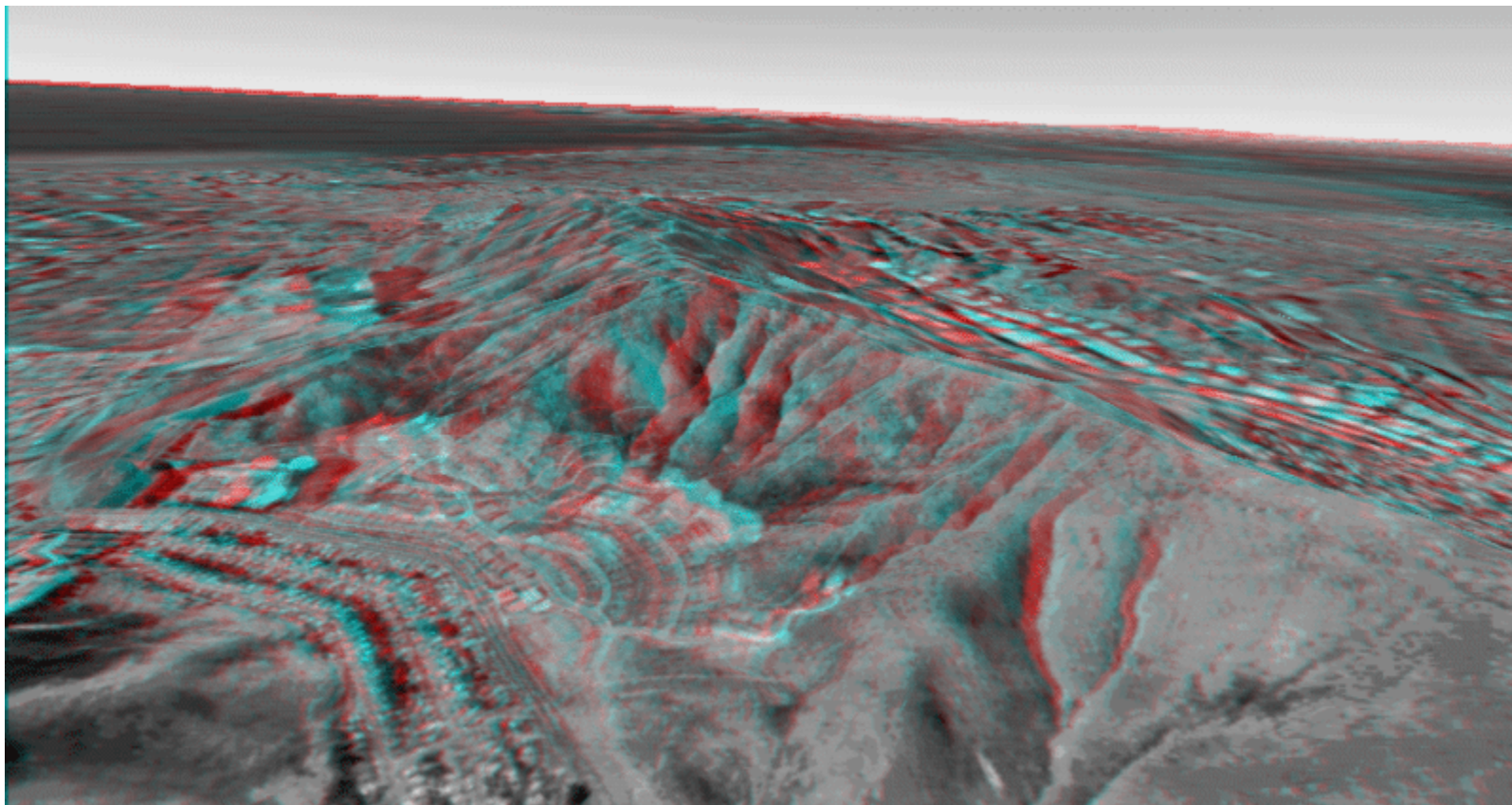






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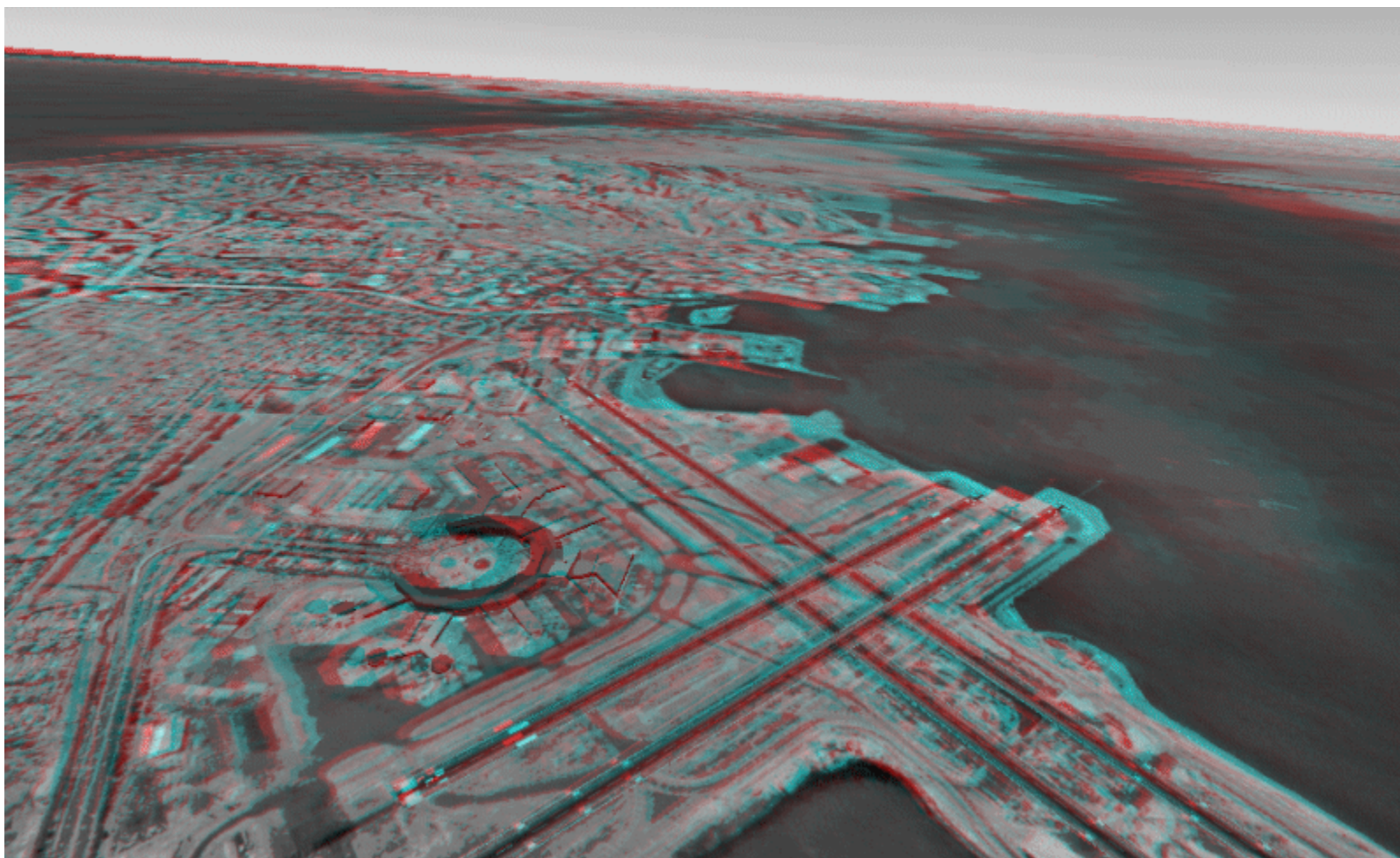
# San Bruno Mountains in San Francisco, CA





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# San Francisco International Airport

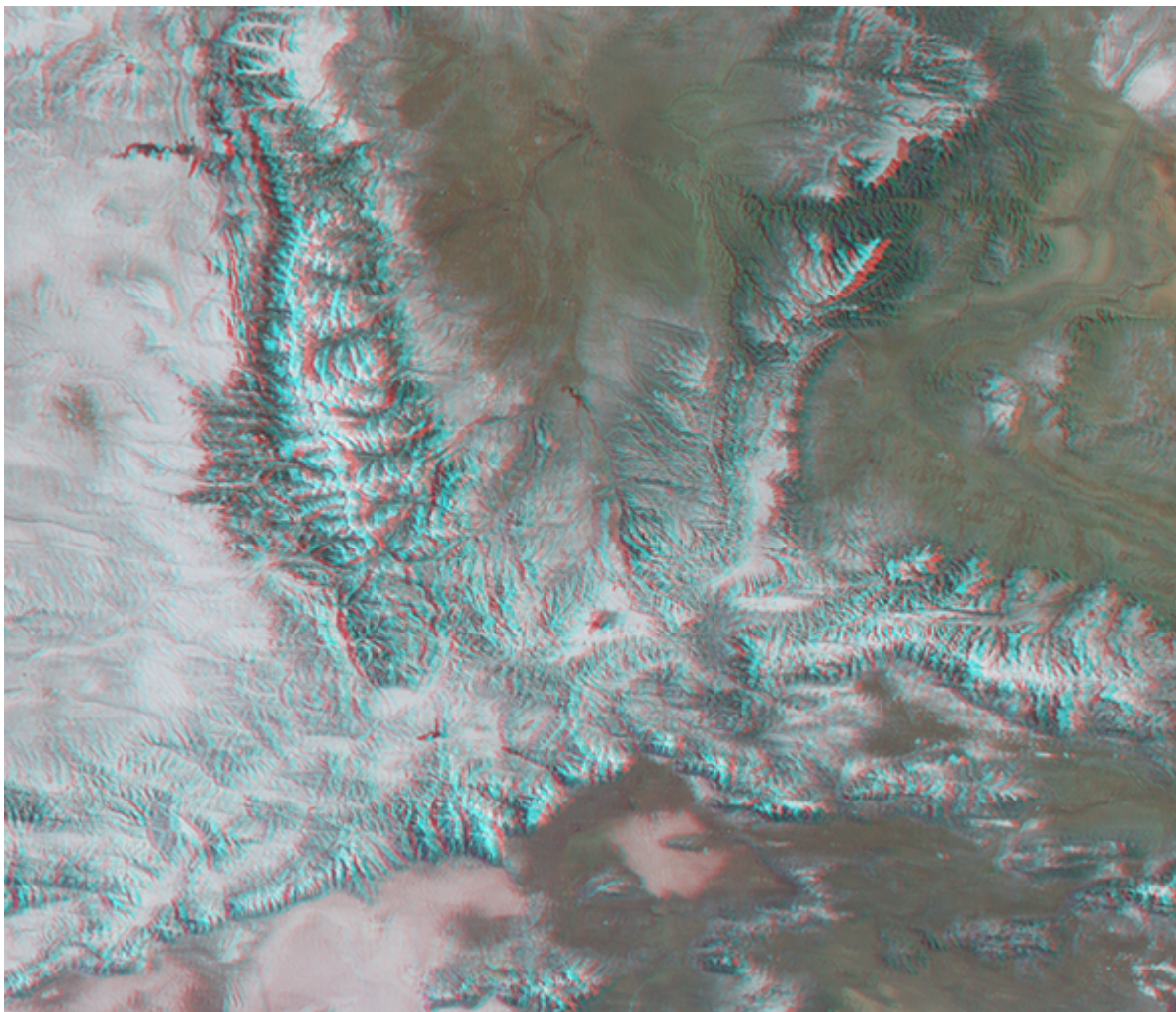






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## **Snow covered peaks Wasatch Mountains and the Unita Mountains, Utah**

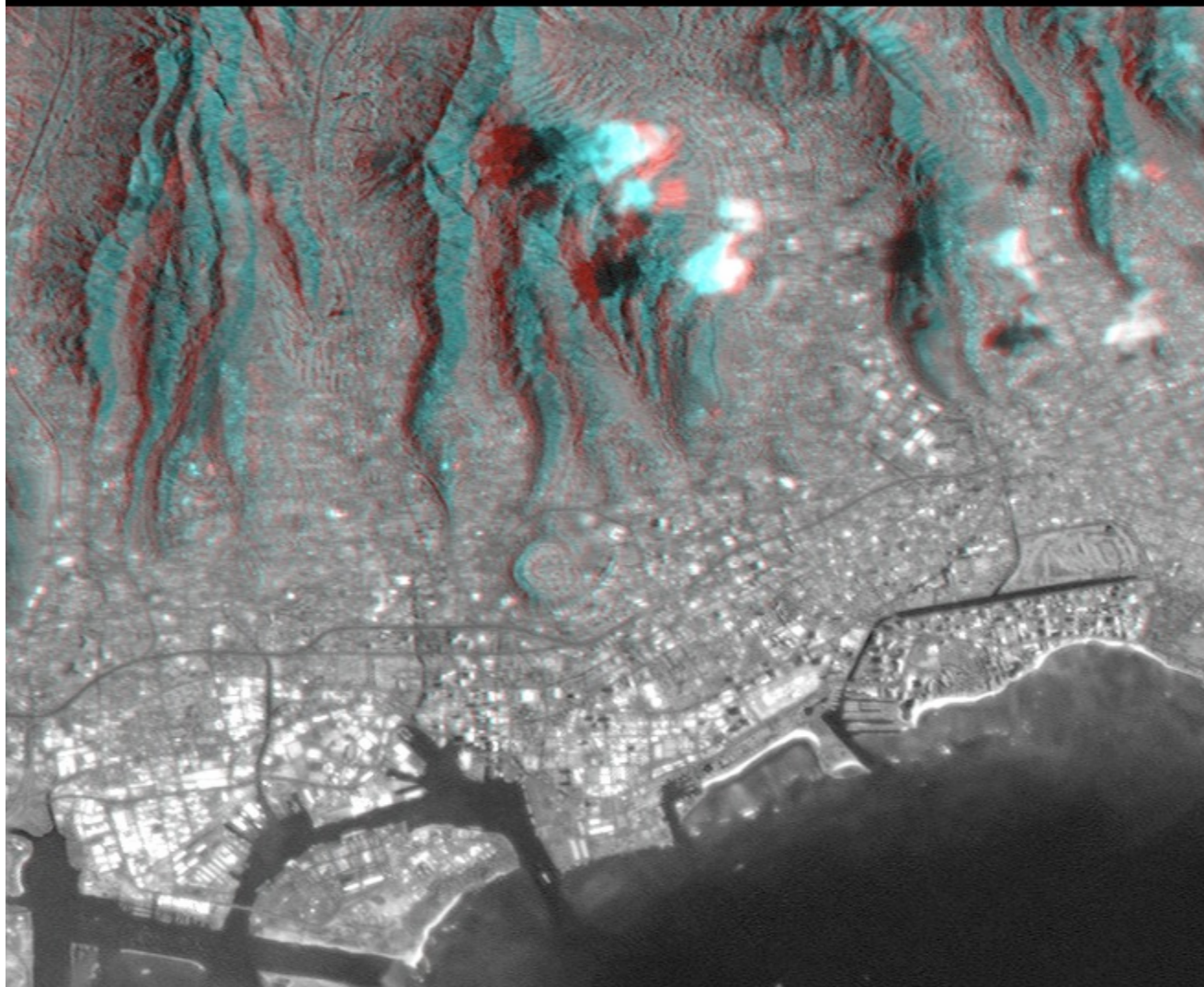






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# Honolulu, Hawaii

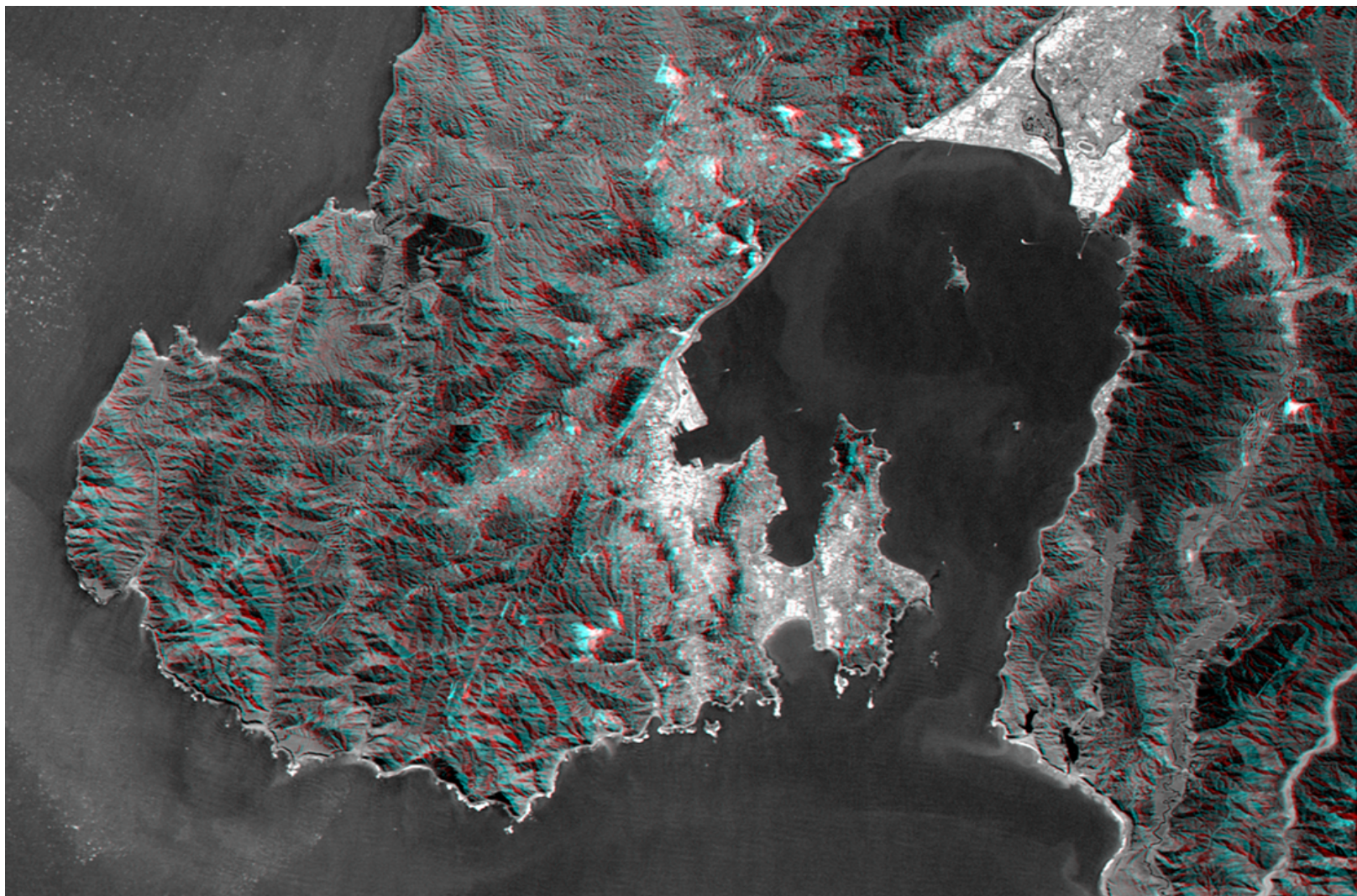






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# Wellington, New Zealand

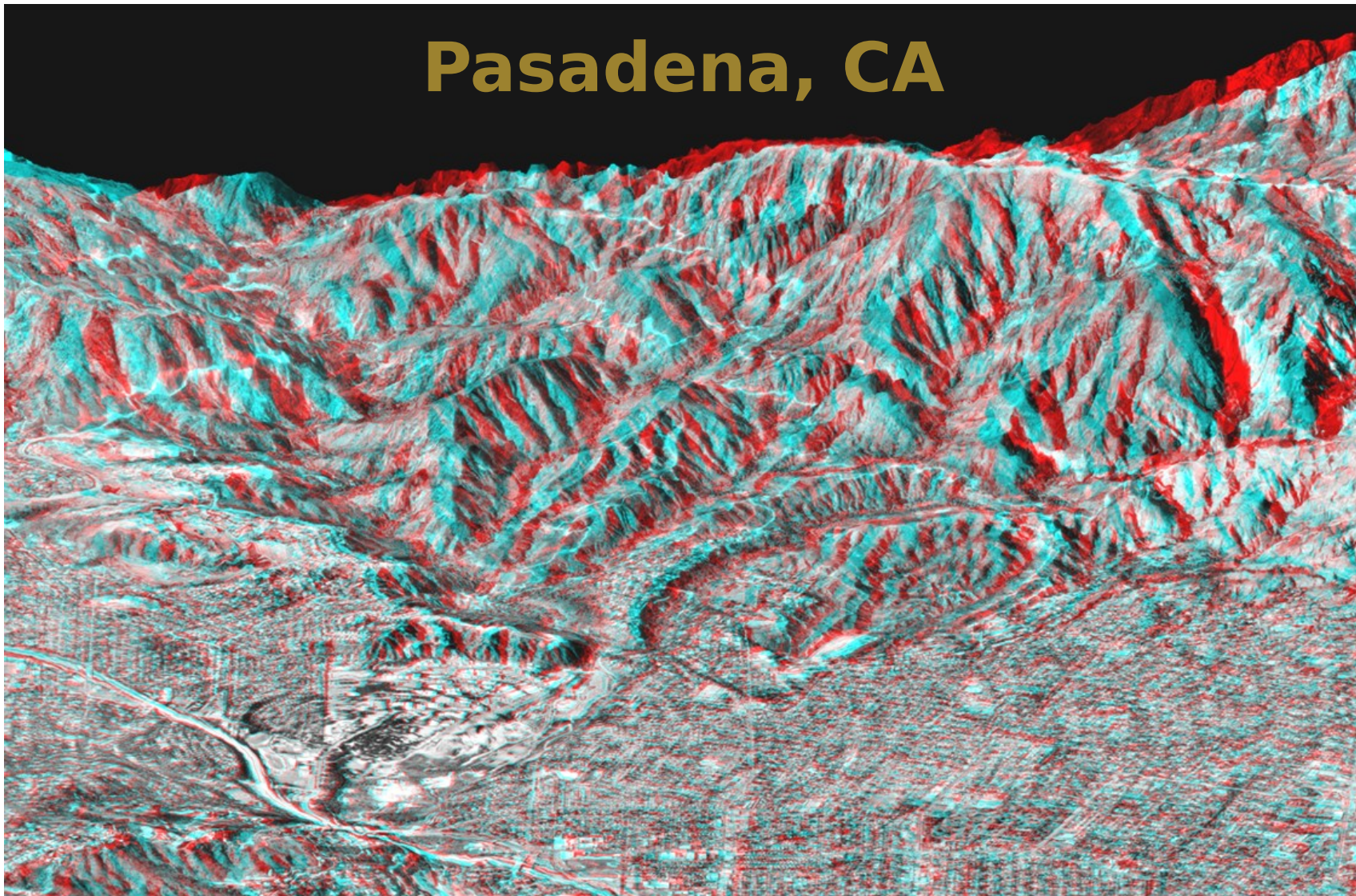






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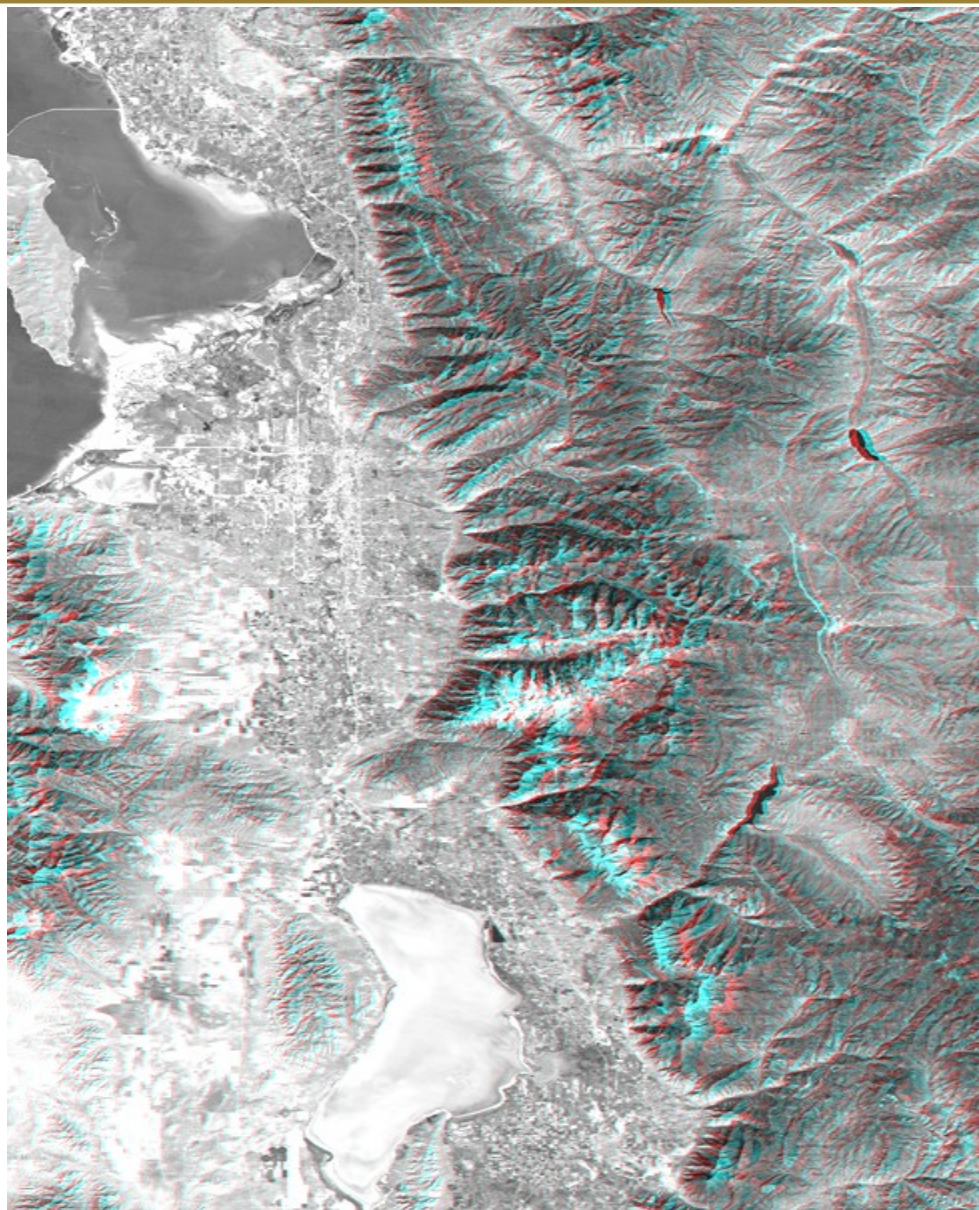
# Pasadena, CA







# Salt Lake City, Utah

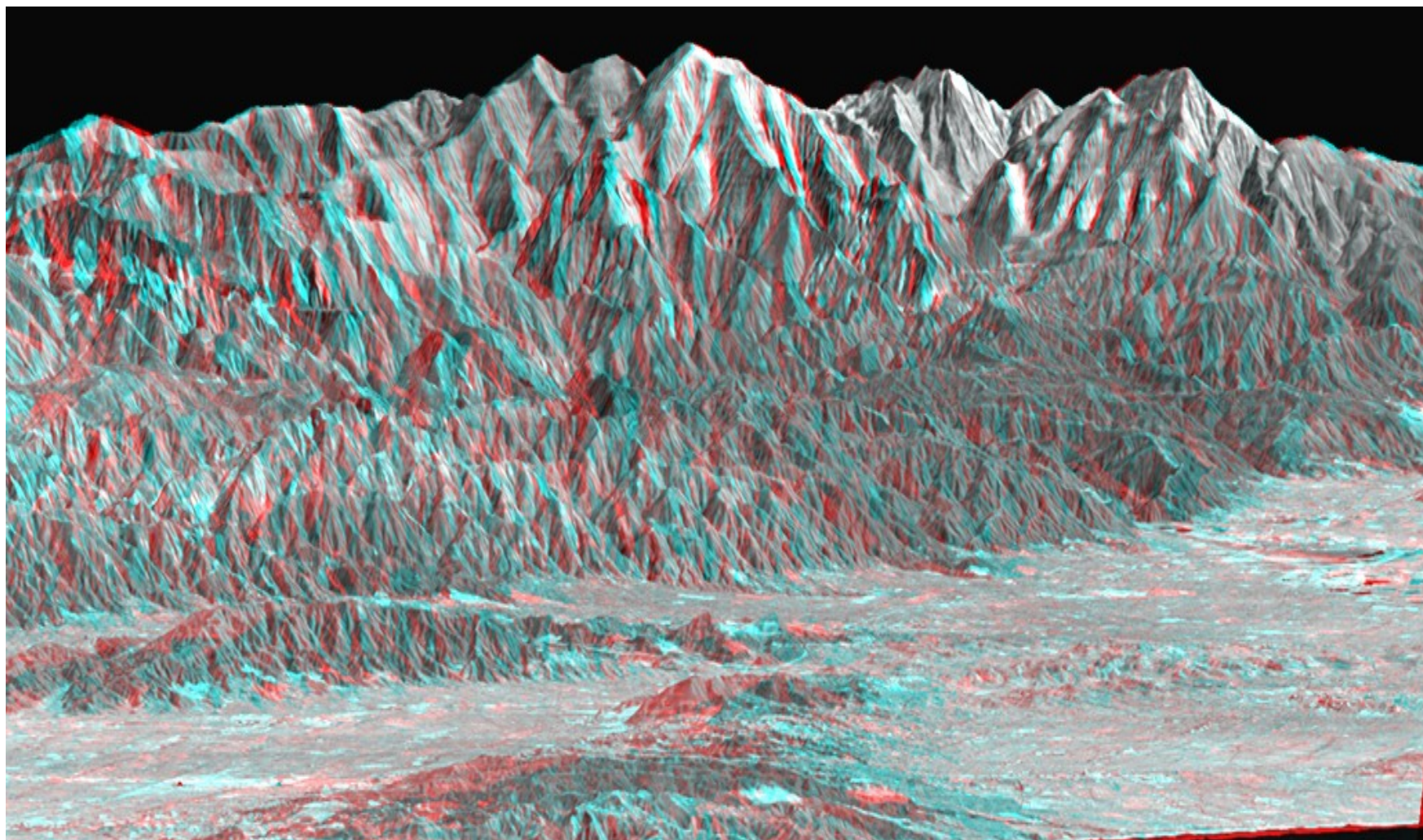






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# Metro Los Angeles, CA

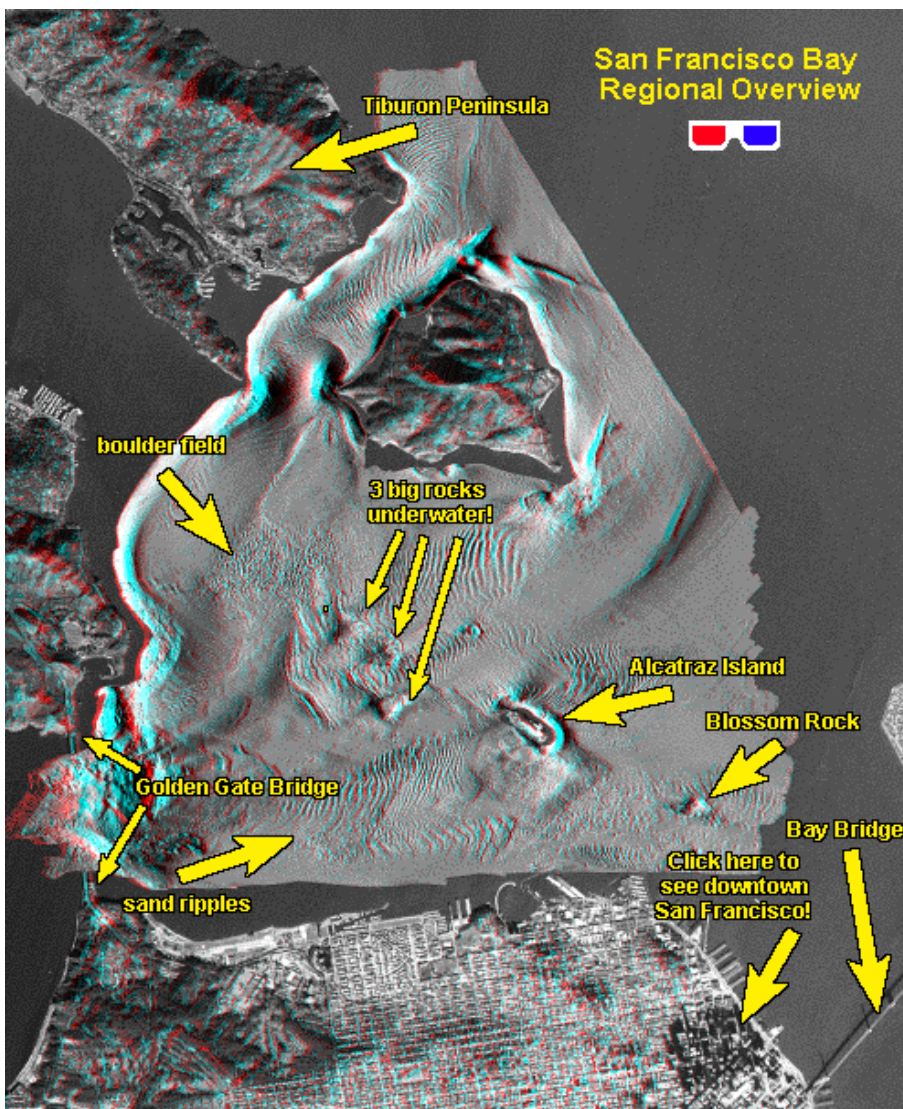






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# Hope you had fun!

# Any Questions?



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